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APPLICATION N	10.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/735,278	•	12/12/2003	Nasser H. Kutkut	054603-0112	3611	
23524	7590	05/15/2006		EXAMINER		
FOLEY & LARDNER LLP				TSO, EDWARD H		
150 EAS	Γ GILMAN	STREET				
P.O. BOX	ረ 1497			ART UNIT	PAPER NUMBER	
MADISO	N, WI 53	701-1497		2838		
				DATE MAILED: 05/15/2006	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

			<u> </u>
	Application No.	Applicant(s)	
	10/735,278	KUTKUT ET AL.	
Office Action Summary	Examiner	Art Unit	
	Edward H. Tso	2838	
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet wi	th the correspondence address	
A SHORTENED STATUTORY PERIOD FOR RI WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communicatio - If NO period for reply is specified above, the maximum statutory p - Failure to reply within the set or extended period for reply will, by s Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNIC FR 1.136(a). In no event, however, may a re n. eriod will apply and will expire SIX (6) MON statute, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this communication ANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 2	27 February 2006.		
2a) ☐ This action is FINAL . 2b) ☑	This action is non-final.		
3) Since this application is in condition for all	•	• •	
closed in accordance with the practice und	der <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>1,3-10,13-21 and 24-28</u> is/are pe	nding in the application.		
4a) Of the above claim(s) is/are with	ndrawn from consideration.		
5)⊠ Claim(s) <u>1,18-21 and 24-28</u> is/are allowed			
6)⊠ Claim(s) <u>3-10 and 13-17</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction a	nd/or election requirement.		
Application Papers			
9) The specification is objected to by the Example 1	miner.		
10) The drawing(s) filed on is/are: a)	accepted or b) objected to I	by the Examiner.	
Applicant may not request that any objection to	the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the co	orrection is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by th	e Examiner. Note the attached	Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) ☐ Acknowledgment is made of a claim for for	reign priority under 35 U.S.C. §	119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
1. Certified copies of the priority docum	ments have been received.		
2. Certified copies of the priority docur	nents have been received in A	pplication No	
3. Copies of the certified copies of the	priority documents have been	received in this National Stage	
application from the International Bu	, , , , , , , , , , , , , , , , , , , ,		
* See the attached detailed Office action for a	a list of the certified copies not	received.	
Attachment(s)			
1) Notice of References Cited (PTO-892)		ummary (PTO-413)	
 Notice of Draftsperson's Patent Drawing Review (PTO-948 Information Disclosure Statement(s) (PTO-1449 or PTO/SI Paper No(s)/Mail Date 	· —)/Mail Date formal Patent Application (PTO-152)	

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3-10 and 13-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over one of Kubo (US 6,297,616) in view of Zhang (US 6,291,972) and Kutkut (US 6,664,762) in view of Zhang (US 6,291,972). Both references '616 and '762 disclose a battery charger having, *inter alia*, a plurality of batteries being charged through a high frequency transformer. A controller regulates power delivered to each of the battery module. Each battery module has its own rectifier and inverter. However it does not disclose each battery module is considered as a "slave module." The reference of Zhang discloses a plurality of power modules used as "slave modules" to control the charging of the cells. Each slave is responsible for the charging characteristics of its load. It would have been obvious to one having ordinary skill in the art to have established a master-slave relationship among the plurality of modules for the purpose of unloading the processing time of the master module. Hence it increases efficiency.

Art Unit: 2838

Allowable Subject Matter

Claims 1, 18-21 and 24-28 are allowed.

Response to Arguments

Applicant's arguments with respect to claims have been considered but are moot in view of the new ground of rejection.

Conclusion

Any inquiry concerning this communication should be directed to the Examiner at the below-listed number on every Tuesday, Thursday and Saturday.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Karl Easthom, can be reached at (571) 272-1989 on Monday-Thursday.

Any inquiry of a general nature or relating to the status of this application should be directed to the receptionist at (571) 272-2800, Monday-Friday, 8:30am to 5:00pm, EST.

By:

EDWARD H TSO Primary Examiner (571) 272-2087